Unit 12 Barratt Trading Estate, Denmore Road, Bridge of Don, Aberdeen AB23 8JW

Flange to QU X-Over User Manual

This Manual Covers the Following Part Numbers:

125-5536-HV0

This is a certified safety critical product and modifications or changes not authorised by Phuel Oil Tools may compromise the Safety, Functionality and Certification of the assembly.

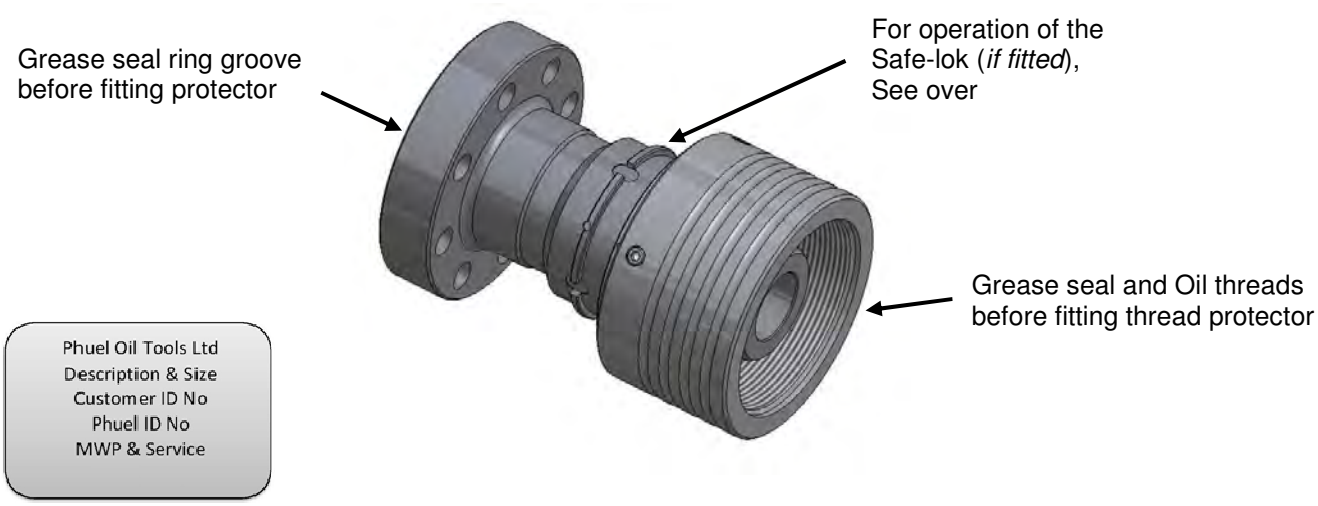
Safety Considerations:

All pressure equipment has a particular pressure rating and care must be taken to ensure that no item is used in a situation that may cause its working pressure to be exceeded.

This equipment is heavy and should not be lifted without lifting aids

User Manual -
General Flange to Quick Union Pin X-Overs

Recommended Operation and Maintenance for a Typical Flange to Quick Union Pin X-Over


Grease seal ring groove before fitting protector
For operation of the Safe-lok (*if fitted*), See over
Grease seal and Oil threads before fitting thread protector

Typical Identification Tag

Pre Job

- Check that the certification and scheduled maintenance is up to date.
- Examine the assembly, to make sure that it is good operating order, and seal areas and threads are not damaged.

Post Job

- After each job, the X-Over should be thoroughly cleaned.
- The X-Over should be protected against the effects of corrosion and damage.

Annually

- Inspect the condition of sealing surfaces and surface coatings, and threads, repair/replace as necessary.
- Re-coat threads and sealing surfaces if necessary. Contact Phuel if in doubt.
- Pressure Test to 300 to 500 psi and to maximum working pressure.
- Inspect paintwork and repair where necessary.

Five Yearly

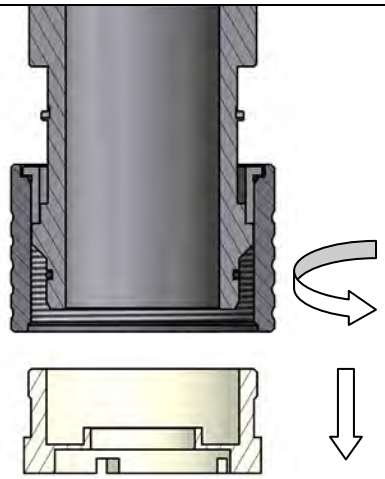
- Recertification by Phuel Oil Tools in accordance with DNV-RP-E101

Pressure Test

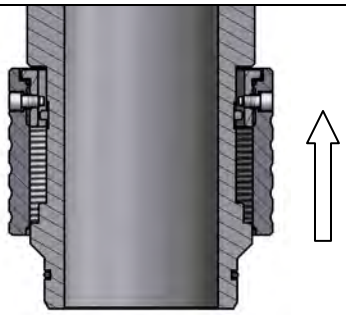
- Fit the appropriate test caps and fill with test fluid, bleeding off any air in the system
- Apply pressure between 300 to 500 psi and hold for a minimum of 10 minutes
- Increase pressure to Maximum Working Pressure, allow to stabilise and hold for 15 minutes with no visible leaks.
- Bleed off pressure, drain test fluid, and remove test caps and dry
- Apply coating of de-watering solution to protect the bore and threads, and fit thread protectors

Safe-Lok Operation

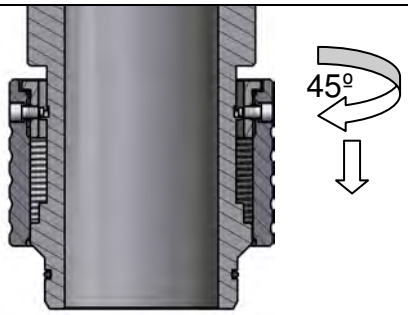
Where fitted, this is identified by an upset shoulder above the collar with slots and recesses.



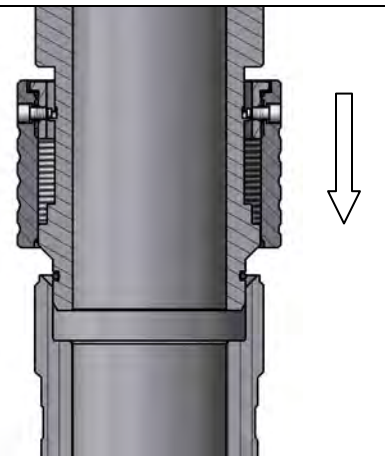
Remove Protector



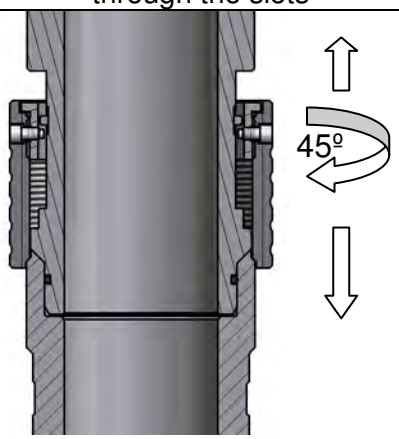
Lift collar passing the stop pins through the slots



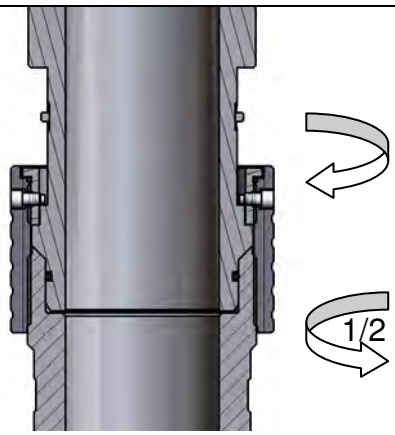
Turn 45º and drop the pins into the recesses



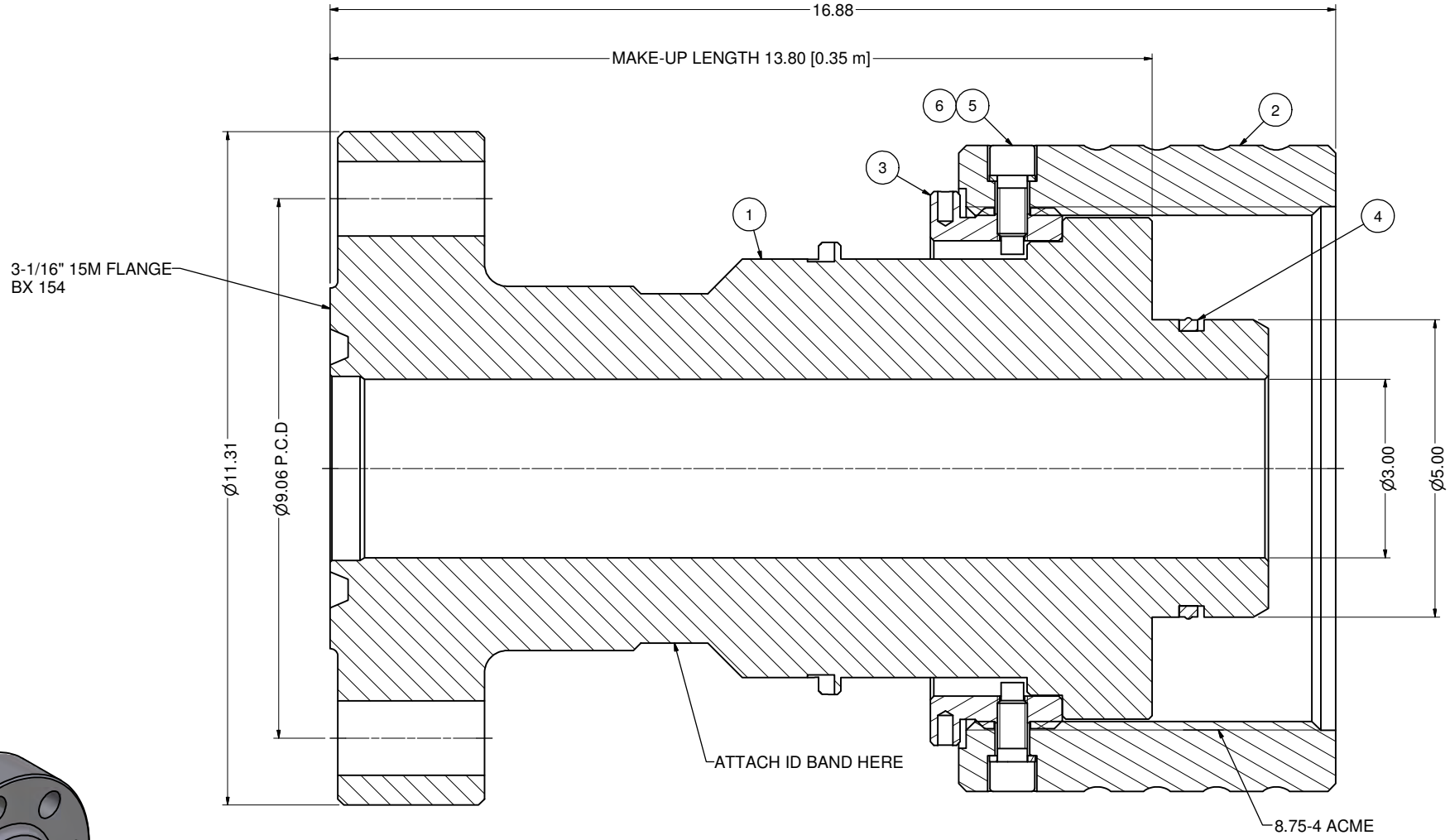
Stab in the pin connection

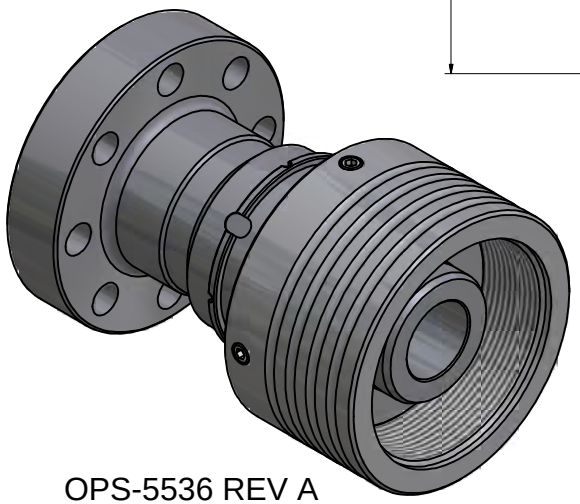


Lift stop pins out of the recess, turn 45 º and pass through the slots



Make-up the collar fully and back off 1/2 a turn





OPS-5536 REV A

NOTES:
WEIGHT: 234lbs / 106Kg
15,000PSI WORKING PRESSURE
22,500PSI TEST PRESSURE
FIT PROTECTORS (NOT SHOWN)

CRITICAL COMPONENT?	Y
MINIMUM YIELD STRENGTH (KSI)	N/A
MATERIAL CERT W/ IMPACTS?	N
NDT PER API 6A (PSL-3)?	N
SURFACE COATING	
SELECT TO SUIT MATERIAL TYPE	
CARBON STEEL	N/A
STAINLESS STEEL	N/A

REV	DATE	DESCRIPTION	BY
REVISION HISTORY			

DRAWN J SMITH 13/06/2013
CHECKED A GREEN 20/06/2013
N.T.S

UNLESS STATED OTHERWISE:
X.X ± 0.062 X.XX ± 0.030 X.XXX ± 0.010
ANGLES ± 0° 30'
ALL DIAS CONCENTRIC TO 0.010 T.I.R
SURFACE FINISH 250 RMa
DIMENSIONS IN INCHES

© Phuel Oil Tools
Tel 0785 992 0170

TITLE
3" X-OVER 3-1/16" 15M FLG X 8-3/4" P&C
15,000PSI MWP

PRODUCT NO	DOC NO	MATERIAL	REV
125	5536	SEE PO	A

STATUS Released SHEET 1 OF 1

CONTROLLED DOCUMENT - CHECK THAT YOU ARE USING THE CORRECT REVISION

Bill of Material – 125-5536-HV0

Item	Part Number	Description	Qty
1	125-5547-480	3 ID X-OVER 3-1/16 15M FLG X 8-3/4-4 P&C 15K BODY	1
2	110-4462-480	SPLIT COLLAR 8-3/4-4 15K	1
3	110-4463-480	SPLIT RING 8-3/4-4 15K	1
4	803-4530-H90	EXTERNAL SPRING SEAL (350)	1
5	110-4541-3A4	STOP PIN 1.325 LONG	4
6	WNL-0580-316	WASHER NORDLOCK (M12)	4
98	910-4561-N66	PROTECTOR 8-3/4-4 ACME MALE	1

Spares

Use only spares supplied or approved by Phuel Oil Tools Ltd. O-Rings conform to industry standards and may be substituted with those from other suppliers -– **at the sole risk of the user**.

Individual items may be ordered as required using the part number specified

Elastomeric spares are supplied in Viton and HNBR material as standard. Many other materials are available please specify when ordering.

It is recommended that sufficient quantities of the following spares be maintained to ensure that the equipment is always available when required.

Item	Part Number	Description	Qty
4	803-4530-H90	EXTERNAL SPRING SEAL (350)	1